

## DECLARATION FOR PATENT APPLICATION AND POWER OF ATTORNEY

As a below named inventor, I hereby declare that my residence, post office address and citizenship are as stated below next to my name; I believe that I am the original, first inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled "**METHODS TO FABRICATE A SEMICONDUCTOR DEVICE**" the specification of which is attached hereto. I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment(s) referred to above. I acknowledge the duty to disclose to the Patent and Trademark Office all information known to me to be material to patentability as defined in 37 C.F.R. §1.56.

I hereby claim foreign priority benefits under 35 U.S.C. §119 of any foreign application(s) for patent or inventor's certificate or of any PCT international application(s) designating at least one country other than the United States of America listed below and have also identified below any foreign application(s) for patent or inventor's certificate or any PCT international application(s) designating at least one country other than the United States of America filed by me on the same subject matter having a filing date before that of the application(s) of which priority is claimed:

Priority Claimed

10-2002-0081371	Korea	18/12/2002	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
(Application Serial Number)	(Country)	(Day/Month/Year Filed)		

(Application Serial Number) (Country) (Day/Month/Year Filed) ☐ Yes ☐ No

I hereby claim the benefit under 35 U.S.C. §119(e) of any United States provisional application(s) listed below:

Priority Claimed

(Application Serial Number)	(Country)	(Day/Month/Year Filed)	<input type="checkbox"/> Yes	<input type="checkbox"/> No
1	USA	01/01/2020		
2	USA	02/02/2021		
3	USA	03/03/2022		
4	USA	04/04/2023		
5	USA	05/05/2024		
6	USA	06/06/2025		
7	USA	07/07/2026		
8	USA	08/08/2027		
9	USA	09/09/2028		
10	USA	10/10/2029		
11	USA	11/11/2030		
12	USA	12/12/2031		
13	USA	13/13/2032		
14	USA	14/14/2033		
15	USA	15/15/2034		
16	USA	16/16/2035		
17	USA	17/17/2036		
18	USA	18/18/2037		
19	USA	19/19/2038		
20	USA	20/20/2039		
21	USA	21/21/2040		
22	USA	22/22/2041		
23	USA	23/23/2042		
24	USA	24/24/2043		
25	USA	25/25/2044		
26	USA	26/26/2045		
27	USA	27/27/2046		
28	USA	28/28/2047		
29	USA	29/29/2048		
30	USA	30/30/2049		
31	USA	31/31/2050		
32	USA	32/32/2051		
33	USA	33/33/2052		
34	USA	34/34/2053		
35	USA	35/35/2054		
36	USA	36/36/2055		
37	USA	37/37/2056		
38	USA	38/38/2057		
39	USA	39/39/2058		
40	USA	40/40/2059		
41	USA	41/41/2060		
42	USA	42/42/2061		
43	USA	43/43/2062		
44	USA	44/44/2063		
45	USA	45/45/2064		
46	USA	46/46/2065		
47	USA	47/47/2066		
48	USA	48/48/2067		
49	USA	49/49/2068		
50	USA	50/50/2069		
51	USA	51/51/2070		
52	USA	52/52/2071		
53	USA	53/53/2072		
54	USA	54/54/2073		
55	USA	55/55/2074		
56	USA	56/56/2075		
57	USA	57/57/2076		
58	USA	58/58/2077		
59	USA	59/59/2078		
60	USA	60/60/2079		
61	USA	61/61/2080		
62	USA	62/62/2081		
63	USA	63/63/2082		
64	USA	64/64/2083		
65	USA	65/65/2084		
66	USA	66/66/2085		
67	USA	67/67/2086		
68	USA	68/68/2087		
69	USA	69/69/2088		
70	USA	70/70/2089		
71	USA	71/71/2090		
72	USA	72/72/2091		
73	USA	73/73/2092		
74	USA	74/74/2093		
75	USA	75/75/2094		
76	USA	76/76/2095		
77	USA	77/77/2096		
78	USA	78/78/2097		
79	USA	79/79/2098		
80	USA	80/80/2099		
81	USA	81/81/2100		
82	USA	82/82/2101		
83	USA	83/83/2102		
84	USA	84/84/2103		

(Application Serial Number) (Country) (Day/Month/Year Filed) ☐ Yes ☐ No

I hereby claim the benefit under 35 U.S.C. §120 of any United States application(s) or PCT international application(s) designating the United States of America listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior application(s) in the manner provided by the first paragraph of 35 U.S.C. §112, I acknowledge the duty to disclose to the Office all information known to me to be material to patentability as defined in 37 C.F.R. §1.56 which occurred between the filing date of the prior application(s) and the national or PCT international filing date of this application:

[illegible]

(Application Serial Number)	(Day/Month/Year Filed)	(Status-Patented, Pending or Abandoned)

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. §1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

**POWER OF ATTORNEY:** I hereby appoint as my attorneys, with full powers of substitution and revocation, to prosecute this application and transact all business in the Patent and Trademark Office connected therewith:

James A. Flight (37,622)	Mark C. Zimmerman (44,006)	James F. Goedken (44,715)	Mark G. Hanley (44,736)
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State or Country <b>Korea</b>	State or Country <b>Same</b>
Date December 8, 2003 <input checked="" type="checkbox"/>	Signature <input checked="" type="checkbox"/> <i>Lee, Date-Gun</i>

Second Joint Inventor, if any	Citizenship
Residence Address – Street	Post Office Address – Street
City (Zip)	City (Zip)
State or Country	State or Country
Date <input checked="" type="checkbox"/>	Signature <input checked="" type="checkbox"/>

## APPLICABLE RULES AND STATUTES

### 37 CFR 1.56. DUTY OF DISCLOSURE - INFORMATION MATERIAL TO PATENTABILITY (Applicable Portion)

(a) A patent by its very nature is affected with a public interest. The public interest is best served, and the most effective patent examination occurs when, at the time an application is being examined, the Office is aware of and evaluates the teachings of all information material to patentability. Each individual associated with the filing and prosecution of a patent application has a duty of candor and good faith in dealing with the Office, which includes a duty to disclose to the Office all information known to that individual to be material to patentability as defined in this section. The duty to disclose information exists with respect to each pending claim until the claim is canceled or withdrawn from consideration, or the application becomes abandoned. Information material to the patentability of a claim that is canceled or withdrawn from consideration need not be submitted if the information is not material to the patentability of any claim remaining under consideration in the application. There is no duty to submit information which is not material to the patentability of any existing claim. The duty to disclose all information known to be material to patentability is deemed to be satisfied if all information known to be material to patentability of any claim issued in a patent was cited by the Office or submitted to the Office in the manner prescribed by §§ 1.97(b)-(d) and 1.98. However, no patent will be granted on an application in connection with which fraud on the Office was practiced or attempted or the duty of disclosure was violated through bad faith or intentional misconduct. The Office encourages applicants to carefully examine:

- (1) prior art cited in search reports of a foreign patent office in a counterpart application, and
- (2) the closest information over which individuals associated with the filing or prosecution of a patent application believe any pending claim patentability defines, to make sure that any material information contained therein is disclosed to the Office.

Information relating to the following factual situations enumerated in 35 USC 102 and 103 may be considered material under 37 CFR 1.56(a).

### 35 U.S.C. 102. CONDITIONS FOR PATENTABILITY: NOVELTY AND LOSS OF RIGHT TO PATENT

A person shall be entitled to a patent unless --

- (a) the invention was known or used by others in this country, or patented or described in a printed publication in this or a foreign country, before the invention thereof by the applicant for patent, or
- (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of the application for patent in the United States, or
- (c) he has abandoned the invention, or
- (d) the invention was first patented or caused to be patented, or was the subject of an inventor's certificate, by the applicant or his legal representatives or assigns in a foreign country prior to the date of the application for patent in this country on an application for patent or inventor's certificate filed more than twelve months before the filing of the application in the United States, or
- (e) the invention was described in a patent granted on an application for patent by another filed in the United States before the invention thereof by the applicant for patent, or on an international application by another who has fulfilled the requirements of paragraph (1), (2), and (4) of section 371(c) of this title before the invention thereof by the applicant for patent, or
- (f) he did not himself invent the subject matter sought to be patented, or
- (g) before the applicant's invention thereof the invention was made in this country by another who had not abandoned, suppressed, or concealed it. In determining priority of invention there shall be considered not only the respective dates of conception and reduction to practice of the invention, but also the reasonable diligence of one who was first to conceive and last to reduce to practice, from a time prior to conception by the other.

### 35 U.S.C. 103. CONDITIONS FOR PATENTABILITY; NON-OBVIOUS SUBJECT MATTER (Applicable Portion)

A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Subject matter developed by another person, which qualifies as prior art only under subsection (f) or (g) of section 102 of this title, shall not preclude patentability under this section where the subject matter and the claimed invention were, at the time the invention was made, owned by the same person or subject to an obligation of assignment to the same person.

### 35 U.S.C. 112. SPECIFICATION (Applicable Portion)

The specification shall contain a written description of the invention, and of the manner and process of making and using it, in such full, clear, concise, and exact terms as to enable any person skilled in the art to which it pertains, or with which it is most nearly connected, to make and use the same, and shall set forth the best mode contemplated by the inventor of carrying out his invention.